



Qualys Security Conference Mumbai, India

# Global IT Asset Management

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# Why Asset Management?

## Multiple Regulations and Standards



### PCI-DSS

2.4 Maintain an inventory of system components that are in scope for PCI DSS



### RBI Cybersecurity

Inventory Management of Business IT Assets, Prevent execution of unauthorized S/W



### ISO 27001

Inventory of assets (clause A.8.1.1)

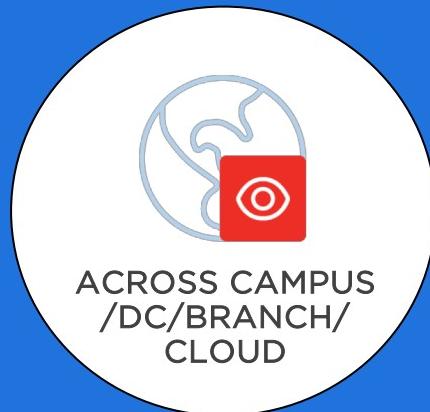


### GDPR

Full hardware and software inventory, including license information for audit data

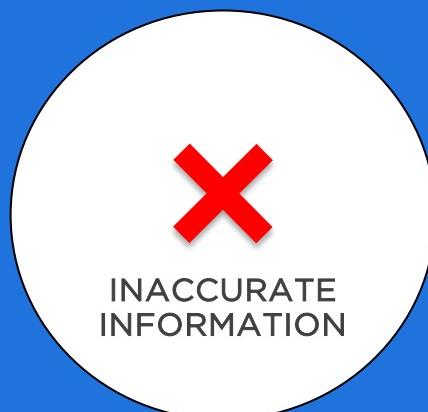
# Challenges with IT Asset Management

VISIBILITY



ACROSS CAMPUS  
/DC/BRANCH/  
CLOUD

POINT  
SOLUTIONS



INACCURATE  
INFORMATION

NO BUSINESS  
CONTEXT



NO  
ACTIONABLE  
INSIGHTS

# Qualys Unified IT-IoT-OT Visibility, Analytics and Control Solutions

## Visibility

Managed and Unmanaged  
Devices

Hardware, Software,  
Applications and Traffic

## Analytics

Vulnerability Detection

Policy Detection

Threat Quantification

## Control

Remove Unauthorized  
Devices

Policy based Automation  
Orchestration

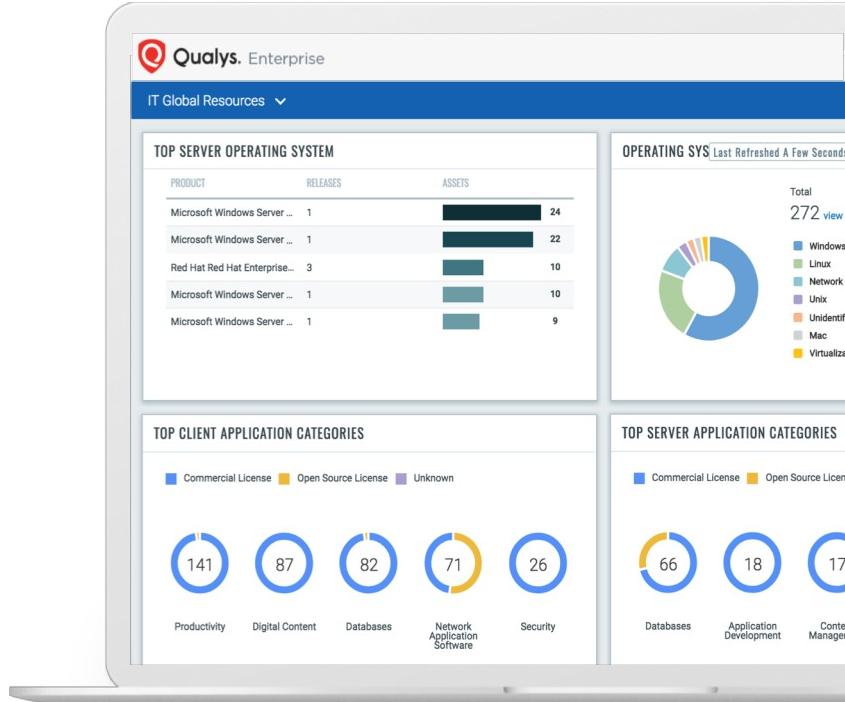
Agentless | Agent | Passive | API

# Introducing Qualys Asset Inventory

Real-time Inventory

Source of truth for IT and Security teams

Structured and complete context



# Benefits



2-second Visibility



Business contextual Inventory



Uniform, accurate information



IT Cost reduction

# How is it done?



Physical Scanner	Cloud Agent
Virtual Scanner	Passive Sensor
Cloud Scanner	API

OS/HW/SW	EoL/EoS
Mfg./owner/product	License type
Market version	Vulnerability/PC

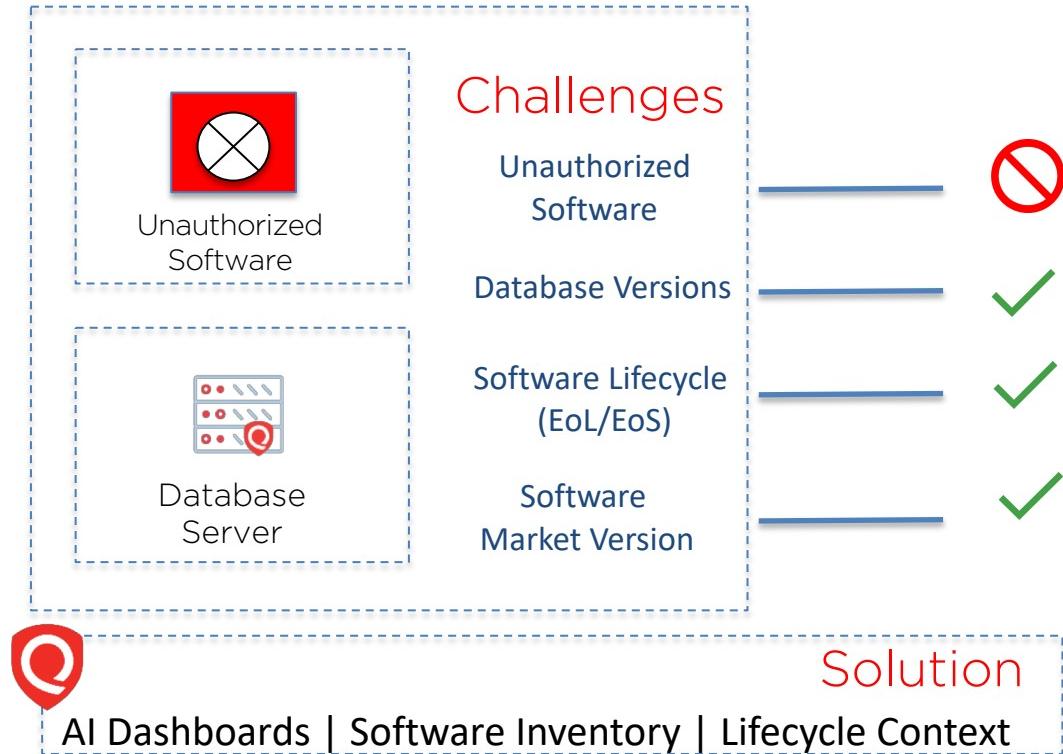
## Qualys Sensors

Scalable, Self-updating & Centrally Managed

## Asset Inventory in Qualys Cloud

Categorization, Normalization, Enrichment

# Case Study: Large Bank helps Stay Compliant with Qualys AI

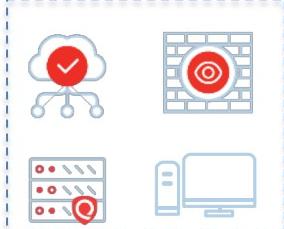


“We have regulatory compliance needs that require us to monitor unauthorized software, current versions of DB software, EoL/EoS software to ensure that we are in compliance “

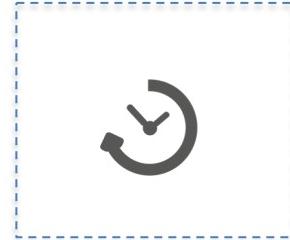
Chief Information Officer

# Case Study: Large Accounting Firm uses Qualys AI for Unified Inventory

## Challenges



Unified Inventory



Prioritize security needs



Service Desk Optimization

“Single unified inventory management for global assets across 4000 employees and distributed offices are required for us to drive optimizations in internal processes, including vulnerability prioritization, patching/remediation, service desk etc.”

Security Manager

## Solution



AI Dashboards | Asset Category Priority | CMDB Synch.

# Case Study: Global Technology Leader uses Qualys AI to Determine Unmanaged Devices

## Challenges



Unified Inventory



Unmanaged Devices Visibility



Unmanaged Devices Control

## Solution

AI Dashboards | Unmgd. Devices View | Traffic Stats



"We've not been able to understand our devices in its entirety. Qualys AI solution with complete context for devices are excellent way to understand devices, security threats and prioritize actions "

Security Manager

# Complete and clean data to your CMDB

Certified ServiceNow App Syncs asset data in both directions.

The screenshot shows the ServiceNow interface with the following details:

- Header:** service<sup>now</sup>™ Service Automation
- Welcome:** Jeff Leggett
- Left Sidebar:** Toggle Navigator (ctrl + opt + n), List and Form View (ctrl + opt + v), Tagged Documents (ctrl + opt + t), All Bookmarks, Home.
- Current View:** Schedules
- Schedule Configuration:**
  - Name: SN\_to\_Q\_Assets
  - Active: checked
  - API Source: testing cred
  - Sync Direction: Servicenow to Qualys
  - Conditional: unchecked
- Section Headers:** Self-Service, Qualys App for ServiceNow CMDB, Configuration, Reports, Support.
- List Items:** API Sources, Schedules, Properties, Sync, Advanced, Reports, Support.
- Sub-sections:** Service Desk, Incident, Problem, Change, Configuration, Service Catalog, Item Designer, Knowledge, Organization, Product Catalog.
- Form Fields (Visible):** Qualys Asset Tag (ServiceNow), Table (Computer [cmdb\_ci\_computer]), Query (Add Filter Condition, Add "OR" Clause).
- Text Labels (Visible):** All of these conditions must be met, IP Address, Fully qualified domain name.



Last 30 Days



## OPERATING SYSTEM DISTRIBUTION

Total:

1.44K view

Windows	1036
Mac	225
Linux	130
Unidentified	26
Virtualizat...	21



## CATEGORY BREAKDOWN

Computers Virtualized Networking Surveillance And Detection Equipment

DEMO

## TOP CLIENT OPERATING SYSTEM

Microsoft Windows 10

1

275

Commercial License

Open-Source License

Unknown

Apple macOS

3

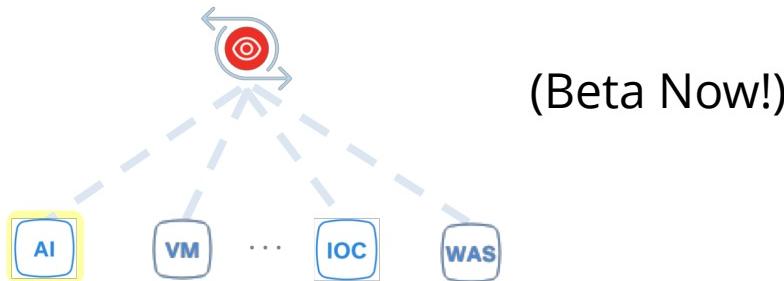
163

Microsoft Windows 7

1

121

# Multi-function Passive Sensor



## First Phase (Q2/Q3-2019)

IT asset discovery and profiling

Application recognition and usage

## Next (Q4/Q1-2019/20)

Asset discovery and profiling

- SCADA
- Medical Devices

(Beta Now!)

## Future use cases

Highlight asset relationship

Traffic anomaly & Network IOC

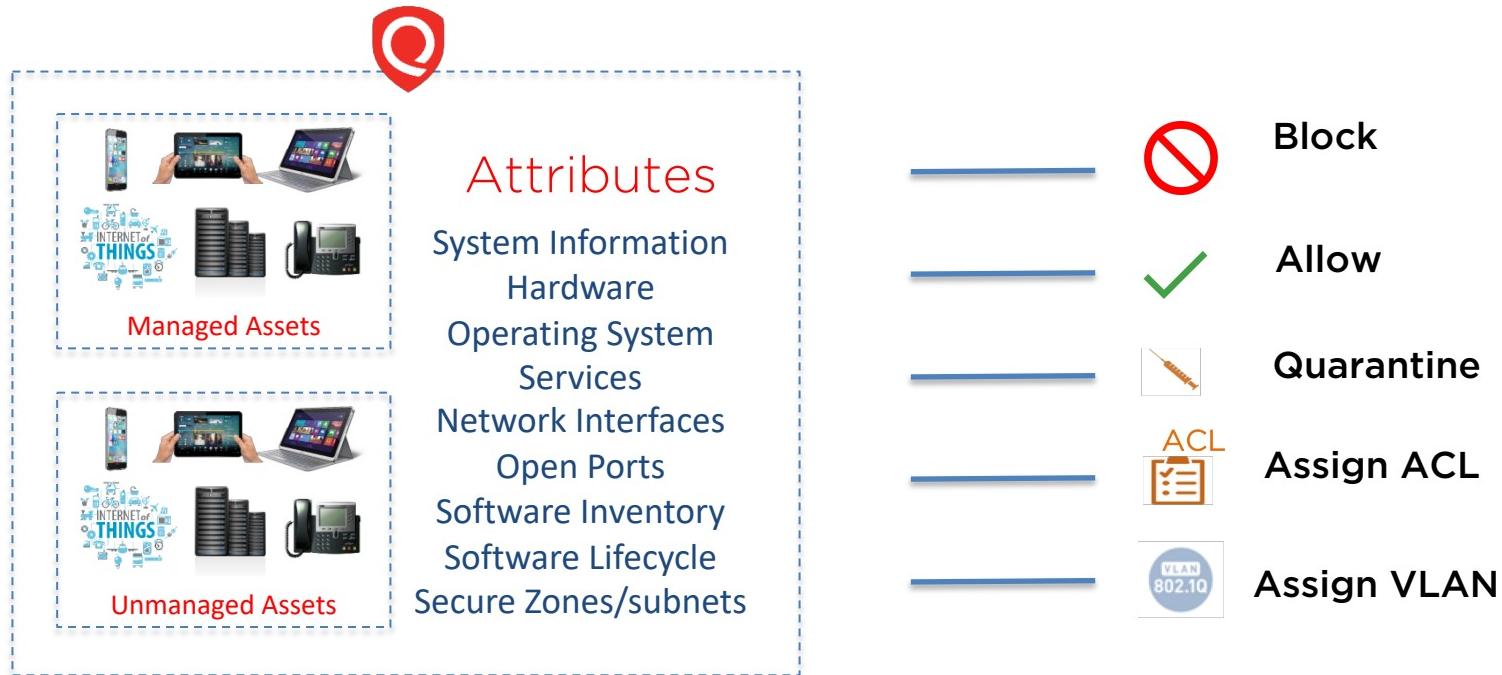
Smart whitelisting (policies within  
Secure Access Control)

# Secure Access Control

# Use Cases



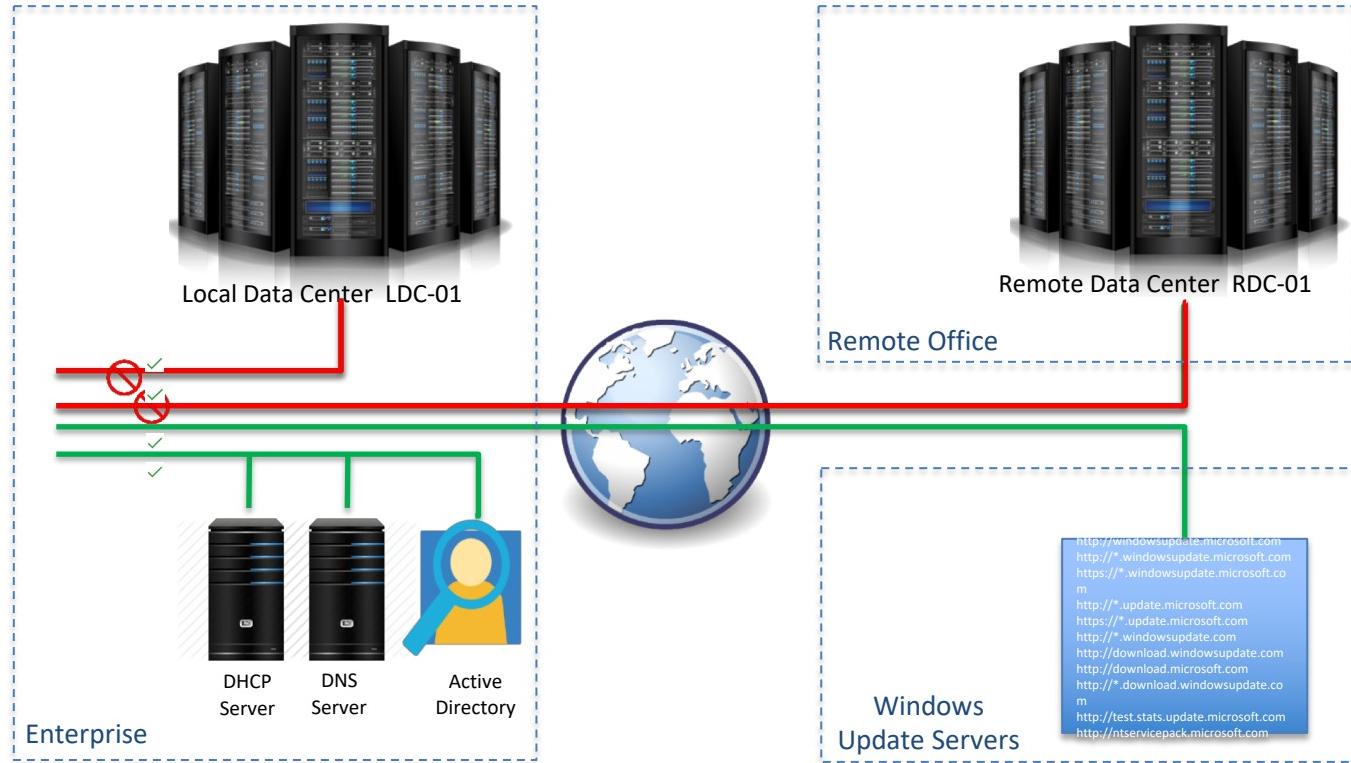
Asset Inventory – Access control using asset inventory attributes



# Use Cases



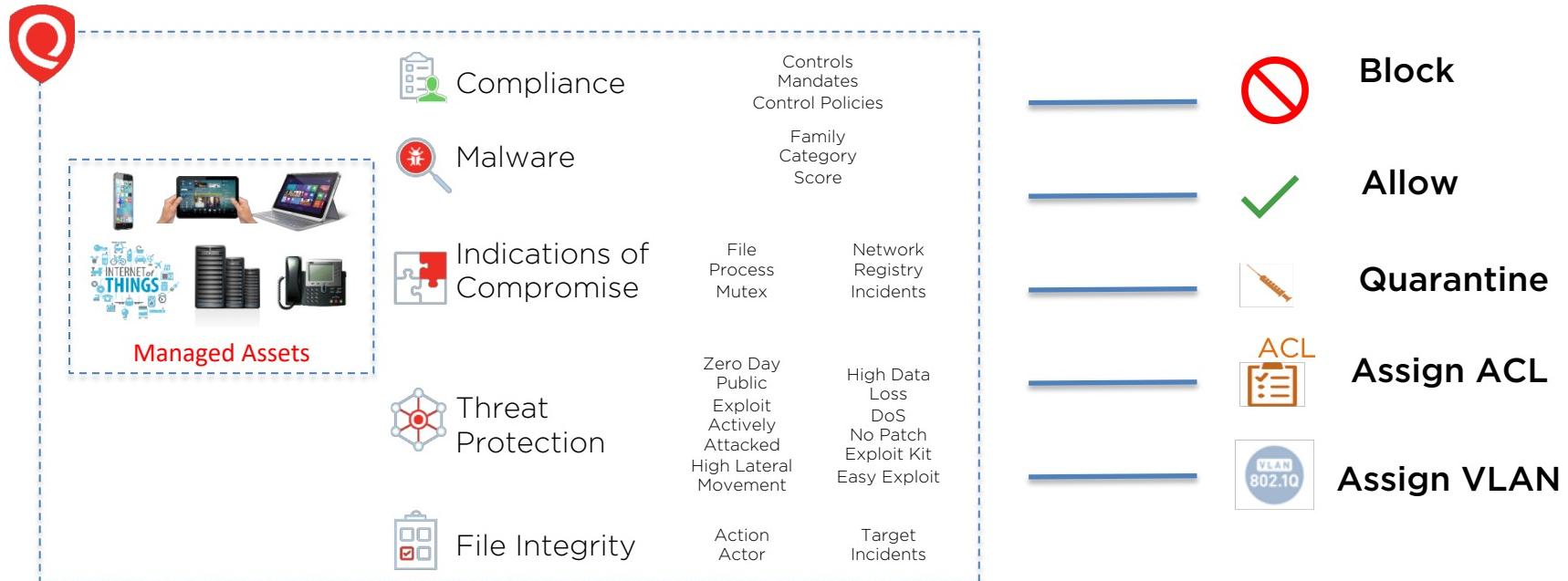
Vulnerabilities - Quarantine assets if vulnerable



# Use Cases



Compliance - Block assets which fail compliance





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# Thank You

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